

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 913054 Component

Fluid

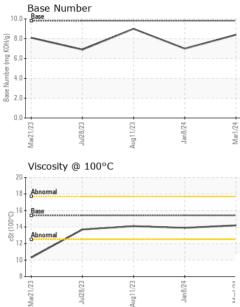
Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

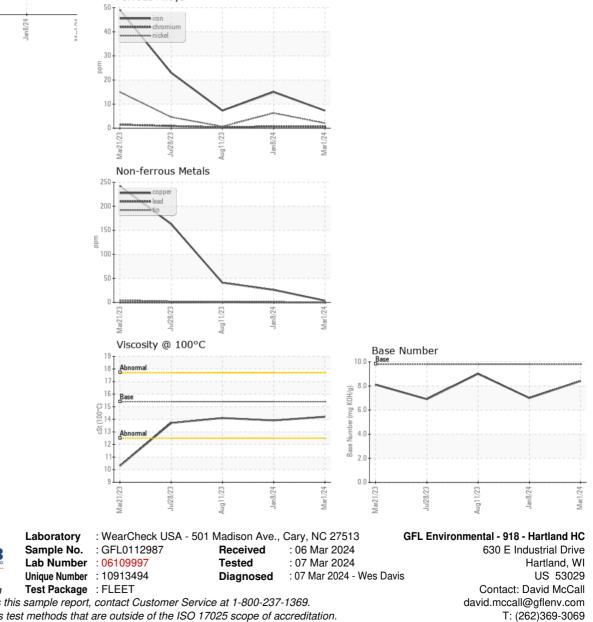
			mar2023	3012023	Aug2023 Jan2024	Mar2024	
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0112987	GFL0108416	GFL0089487
Resample at the next service interval to monitor.	Sample Date		Client Info		01 Mar 2024	08 Jan 2024	11 Aug 2023
Wear	Machine Age	hrs	Client Info		2048	1808	1253
All component wear rates are normal.	Oil Age	hrs	Client Info		2048	1808	0
Contamination	Oil Changed		Client Info		Changed	Changed	Changed
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.	CONTAMINAT		mathad	limit/booo	ourroot	biotoryd	history2
Fluid Condition		IUN	method	limit/base		history1	,
The BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
alkalinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
oil is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	.S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	7	15	7
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m		2	6	<1
	Titanium	ppm	ASTM D5185m	>2	<1	0	0
	Silver	ppm			0	0	<1
	Aluminum	ppm	ASTM D5185m		2	<1	0
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		4	26	41
	Tin	ppm	ASTM D5185m		<1	1	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
		le le		line it //e e e e		-	
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		<1	1	4
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m		59	62	61
	Manganese	ppm	ASTM D5185m		0	<1	1
	Magnesium	ppm	ASTM D5185m		969	1011	1024
	Calcium	ppm	ASTM D5185m	1070	1028	1052	1131
	Phosphorus	ppm		1150	972	1036	1080
	Zinc	ppm	ASTM D5185m		1198	1281	1298
	Sulfur	ppm	ASTM D5185m	2060	2930	2703	3673
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4	4	4
	Sodium	ppm	ASTM D5185m		3	4	5
	Potassium	ppm	ASTM D5185m	>20	2	0	2
	INFRA-RED		method	limit/base	current	history1	history2
		0/					
	Soot %	% Abc/om	*ASTM D7844 *ASTM D7624		0.3	0.6	0
	Nitration				6.5	8.5	6.9
	Sulfation		*ASTM D7415	>30	18.9	20.1	22.0
	FLUID DEGRAI		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	16.6	15.9
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.4	7.0	9.0



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.9	14.1
GRAPHS						
Ferrous Alloys						



Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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